

In the Claims:

Claim 1 (Canceled)

Claim 2 (Currently Amended): An epoxy resin composition for encapsulation of semiconductors which comprises (A) a spherical alumina, (B) an ultrafine silica having a specific surface area of 120-240 m²/g, (C) a silicone compound, (D) an epoxy resin, (E) a phenolic resin curing agent, and (F) a curing accelerator, said ultrafine silica being contained in an amount of 0.2-0.8% by weight based on the total weight of the resin composition,
wherein said silicone compound (C) is a hydrophilic polyorganosiloxane and is present in an amount of from 0.3 to 2.0% by weight based on the total weight of the resin composition, and
wherein the spherical alumina is present in an amount of from 85% to 92% by weight based on the total weight of the resin composition.

Claim 3 (Canceled).

Claim 4 (Withdrawn): A semiconductor apparatus in which a semiconductor element is mounted on one side of a substrate and substantially only the one side of the substrate on which the semiconductor element is mounted is encapsulated with the epoxy resin composition for semiconductor encapsulation of claim 2.

Claim 5 (Canceled).

Claim 6 (Withdrawn): A method of encapsulating a semiconductor apparatus having a semiconductor element mounted on one side of a substrate, comprising encapsulating substantially only the one side of the substrate on which the semiconductor element is mounted with the epoxy resin composition of claim 2.

Claim 7 (Canceled)

Claim 8 (Previously presented): An epoxy resin composition according to claim 2, wherein the ultrafine silica has a specific surface area of 180-240 m²/g,

Claim 9 (New): An epoxy resin composition for encapsulation of semiconductors consisting essentially of (A) a spherical alumina, (B) an ultrafine silica having a specific surface area of 120-280 m²/g, (C) a hydrophilic polyorganosiloxane present in an amount of from 0.3 to 2.0% by weight based on the total weight of the resin composition, (D) an epoxy resin, (E) a phenolic resin curing agent, and (F) a curing accelerator, said ultrafine silica being contained in an amount of 0.2-0.8% by weight based on the total weight of the resin composition, wherein the spherical alumina is present in an amount of from 85% to 92% by weight based on the total weight of the resin composition, and wherein the composition is free of hydrophobic silicone compounds.